



DT02 Rec'd P TO 0 6 JAN 2005

1752  
#5  
DCI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Adolf Bernds et al.  
SERIAL NO: 10/508,737 GROUP ART UNIT: Not assigned  
FILED: September 21, 2004 EXAMINER: Not assigned  
CUSTOMER NO.: 27162  
FOR: Device and Method for Laser Structuring Functional Polymers and the Uses thereof  
ATTY/DKT NO.: 411000-121

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449 which are believed to be material to the patentability of the above-identified application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

X §1.97(b)

This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits. No fee or statement is required.

\_\_\_\_ §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

\_\_\_\_ The statement as specified in 37 CFR §1.97(e) set out below; OR

\_\_\_\_ The fee of \$180.00 under 37 CFR §1.17(p).

\_\_\_§1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

- (1) a Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311;

BUT filed on or before payment of the Issue Fee; AND  
is accompanied by:

- (1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND
- (2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,
- (3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

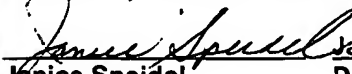
\_\_\_§1.97(e) The undersigned Attorney hereby states that:

\_\_\_ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;  
or

\_\_\_ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

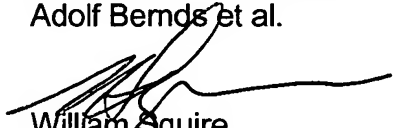
This Information Disclosure Statement provides a detailed list of the references cited in various pending applications listed in applicant's Disclosure Statement filed on December 1, 2004.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

<b>FIRST CLASS CERTIFICATE</b>	
I hereby certify that this correspondence is being deposited today with the U.S. Postal Service as First Class Mail in an envelope addressed to:	
MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
 Janice Speidel	Jan. 3, 2005 Date

#243206

Respectfully submitted,  
Adolf Bernds et al.

  
William Squire  
Reg. No. 25,378  
CARELLA, BYRNE, BAIN, GILFILLAN,  
CECCHI, STEWART & OLSTEIN  
5 Becker Farm Road  
Roseland, NJ 07068  
Tel: (973)994-1700  
Fax: (973)994-1744

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

Of

11

Application Number

10/508,737

Filing Date

September 21, 2004

First Named Inventor

Adolf Bernds

Group Art Unit

Not Assigned

Examiner Name

Not Assigned

Attorney Docket Number

411000-121

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5,574,291	11/12/1996	Dodabalapur et al.	See IDS filed 9/30/2004 on all references cited
	2	US-5,206,525	04/27/1993	Yamamoto et al.	
	3	US-6,045,977	04/04/2000	Chandross et al.	
	4	US-5,854,139	12/29/1998	Kondo et al.	
	5	US-5,625,199	04/29/1997	Baumbach et al.	
	6	US-5,883,397	03/16/1999	Isoda et al.	
	7	US-5,998,805	12/07/1999	Shi et al.	
	8	US-6,384,804	05/07/2002	Dodabalapur et al.	
	9	US-6,072,716	06/06/2000	Jacobsen et al.	
	10	US-4,937,119	06/26/1990	Nickles et al.	
	11	US-5,705,826	01/06/1998	Aratani et al.	
	12	US-6,555,840	04/29/2003	Hudson et al.	
	13	US-6,197,663	03/06/2001	Chandross et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	14	EU 0460242	12/11/1991			X
	15	WO 93 16491	08/19/1993			X
	16	WO 99 40631	08/12/1999			X
	17	WO 99 54936	10/28/1999			X
	18	EP 0981165	02/23/2000			X

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

11

Application Number	10/508,737
Filing Date	September 21, 2004
First Named Inventor	Adolf Berndt
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	411000-121

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	19	US-6,221,553	04/24/2001	Wolk et al.	
	20	US-6,150,668	11/21/2000	Bao et al.	
	21	US-6,362,509	03/26/2002	Hart	
	22	US-6,329,226	12/11/2001	Jones et al.	
	23	US-6,593,690	07/15/2003	McCormick et al.	
	24	US-6,498,114	12/24/2002	Amundson et al.	
	25	US-6,603,139	08/05/2003	Tessler et al.	
	26	US-6,621,098	09/16/2003	Jackson et al.	
	27	US-4,340,657	07/20/1982	Rowe	
	28	US-5,364,735	11/15/1994	Akamatsu et al.	
	29	US-6,330,464	12/11/2001	Colvin et al.	
	30	US-5,691,089	11/25/1997	Smayling	
	31	US-6,321,571	11/27/2001	Themont et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	32	WO 99 30432	06/17/1999			X
	33	EP 0 108650	05/16/1984			X
	34	EP 0 418504	03/27/1991			X
	35	DE 198 51703	05/04/00			

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/508,737
Filing Date	September 21, 2004
First Named Inventor	Adolf Berndt
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	411000-121

11

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	37	US-6,087,196	07/11/2000	Sturm et al.	
	38	US-6,133,835	10/17/2000	De Leeuw et al.	
	39	US-5,970,318	10/19/1999	Choi et al.	
	40	US-5,321,240	06/14/1994	Takahira	
	41	US-5,973,598	10/26/1999	Beigel	
	42	US-5,347,144	09/13/1994	Garnier et al.	
	43	US-6,207,472	03/27/2001	Calligari et al.	
	44	US-5,486,851	01/23/1996	Gehner et al.	
	45	US-2002/0053320	05/09/2002	Duthaler	
	46	US-2004/0084670	05/06/2004	Tripsas et al.	
	47	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	48	EP 0 786820	07/30/1997			X
	49	WO 99 39373	08/05/1999			X
	50	WO 02/47183	06/13/2002			X
	51	EP 1 103916 (title page only)	05/30/2001			
	52	EP 0 528662				
	53	EP 0 442123				

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for Form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	4	11	Attorney Docket Number	411000-121
-------	---	----	------------------------	------------

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	54	EP 0962984	12/08/99			X
	55	WO 02 19443	03/07/02			X
	56	WO 00 79617	12/28/04			X
	57	WO 99 10939	03/04/99			X
	58	DE 100 43204	04/04/2002			
	59	EP 0 511807	11/04/1992			X
	60	EP 0 979715	02/16/2000			
	61	EP 1 048 912	11/02/2000			
	62	DE 4243832	06/30/94			
	63	EP 0716458	06/12/1996			X
	64	WO 99 21233	04/29/1999			X
	65	WO 01 15233	03/01/2001			X
Examiner Signature			Date Considered			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449A/PTO

**Complete if Known**

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

ACADEMY  
STREET

5

11

Application Number

10/508,737

Filing Date

**September 21, 2004**

First Named Inventor

Adolf Bernds

### Group Art Unit

Not Assigned

Examiner Name

Not Assigned

Attorney Docket Number

411000-121

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	66	WO 98/40930	09/17/98			X
	67	DE 19933757	01/25/01			
	68	FR 2793089	11/03/2000			
	69	WO 01 47045	06/28/2001			X
	70	WO 94/17556	0804/1994			X
	71	WO 99/07189	02/11/1999			X
	72	WO 97/18944	05/29/1997			X
	73	EP 0685985	12/06/1995			X
	74	WO 00/36666	06/22/2000			X
	75	DE 100 12204 (title page)	09/20/2001			
	76	DE 198 16 860	11/18/99			
	77	WO 02/065557	08/22/2002			X
Examiner Signature				Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

**ADDRESS: SEND TO: Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22304-1450.**  
***If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.***

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

6

11

Application Number	10/508,737
Filing Date	September 21, 2004
First Named Inventor	Adolf Bernds
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	411000-121

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	79	JP 05259434	10/05/1993			X
	80	WO 99/10929 (title page only)	03/04/1999			X
	81	DE 199 35 527	02/08/2001			
	82	DE 199 37 262	03/01/2001			
	83	WO 01/27998 (title page only)	04/19/2001			X
	84	JP 05152560	06/18/1993			X
	85					
	86					
	87					

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/508,737
Filing Date	September 21, 2004
First Named Inventor	Adolf Bemds
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	411000-121

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	88	GARNIER F et al.; "Vertical Devices Architecture By Molding Of Organic-Based Thin Film Transistor", Applied Physics Letters, American Institute Of Physics. XP000784120, issn: 0003-6951 abbildung 2	X
	89	COLLET J. et al.; "LOW VOLTAGE, 30 NM CHANNEL LENGTH, ORGANIC TRANSISTORS WITH A SELF-ASSEMBLED MONOLAYER AS GATE INSULATING FILMS", APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, Bd 76, Nr. 14, 3. april 2000 (2000-04-03), Seiten 1941-1943, XP000950589, ISSN:0003-6951, das ganze Dokument	X
	90	HWANG J D et al.; "A Vertical Submicron Sic thin film transistor", Solid State Electronics, Elsevier Science Publishers, Barking, GB, Bd. 38, NR. 2,1. February 1995 (1995-02-01), Seiten 275-278, XP004014040, ISSN:0038-1101, Abbildung 2	X
	91	ROGERS J A et al.; "Low-Voltage 0.1 Mum Organic Transistors and Complementary Inverter Circuits Fabricated with a Low-Cost Form of Near-Field Photolithography", Applied Physics Letters, American Institute of Physics. New York, US, Bd. 75, Nr. 7, 16. August 1999 (1999-08-16), Seiten 1010-1012, XP000934355, ISSN: 003-6951, das ganze Dokument	X
	92	"Short-Channel Field-Effect Transistor", IBM Technical Disclosure Bulletin, IBM Corp., New York, US, Bd. 32, Nr. 3A, 1.August 1989 (1989-08-01), Seiten 77-78, XP000049357, ISSN:0018-8689, das ganze Dokument	X
	93	REDECKER, M. et al., "Mobility enhancement through homogeneous nematic alignment of a liquid-crystalline polyfluorene", 1999 American Institute of Physics, Applied Physics Letters, Vol. 74, number 10, pp. 1400-1402.	X
	94	ROGERS, J. A. et al.; "Printing Process Suitable for Reel-to-Reel Production of High-Performance Organic Transistors and Circuits", Advanced Materials, VCH, Verlagsgesellschaft, Weinheim, DE, Bd. 11, Nr. 9, 5. Juli 1999 (1999-07-05), Seiten 741-745, P000851834, ISSN: 0935-9648, das ganze Dokument	X
	95	MIYAMOTO, Shoichi et al.; "Effect of LDD Structure and Channel Poly-Si Thinning on a Gate-All-Around TFT (GAT) for SRAM's, IEEE Transactions on Electron Devices. Vol. 46, No. 8, August 1999	X
	96	KUMAR, Anish et al.; "Kink-Free Polycrystalline Silicon Double-Gate Elevated-Channel Thin-Film Transistors", IEEE Transactions on Electron Devices, Vol. 45, No. 12, December 1998	X
	97	CHEN, Shiao-Shien et al.; "Deep Submicrometer Double-Gate Fully-Depleted SOI PMOS Devices: A Concise Short-Channel Effect Threshold Voltage Model Using a Quasi-2D Approach", IEEE Transaction on Electron Devices, Vol. 43, No. 9, September 1996	X

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

8

11

Application Number

10/508,737

Filing Date

September 21, 2004

First Named Inventor

Adolf Bernds

Group Art Unit

Not Assigned

Examiner Name

Not Assigned

Attorney Docket Number

411000-121

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	98	ZANGARA L: "Metall Statt Halbleiter, Programmierung Von Embedded ROMS Ueber Die Metallisierungen", Elektronik, Franzis Verlag GMBH, Munchen, DE, Bd. 47, Nr. 16, 4 August 1998 (1998-08-04), Seiten 52-55, XP000847917, ISSN: 0013-5658, Seite 52, rechtes Plate, Zeile 7-Seite 53, linke Spalte, Zeile 14; Abbildungen 1, 2	
	99	HERGEL, H. J.: "Pld-Programmiertechnologien", Elektronik, Franzis Verlag GMBH, Munchen, DE, Bd 41, Nr. 5, 3. Marz 1992 (1992-03-03), Seiten 44-46, XP000293121, ISSN: 0013-5658, Abbildungen 1-3.	
	100	FORREST et al.: "The Dawn of Organic Electronics", IEEE Spectrum, August 2000 (2000-08), Seiten 29-34, XP002189000, IEEE Inc., New York, US ISSN:0018-9235, Seite 33, rechte Spalte, Zeile 58-Seite 34, linke Spalte, Zeile 24; Abbildung 5.	X
	101	PATENT ABSTRACTS OF JAPAN, Vol. 009, No. 274 (E-354), 31 Oktober 1985 (1985-10-31) & JP 60 117769 A (Fujitsu KK), 25 Juni 1985 (1985-06-25) Zusammenfassung	X
	102	ZIE VOOR TITEL BOEK, de 2e PAGINA, XP-002189001, PG 196-228.	X
	103	DRURY et al., "Low-Cost All-Polymer Integrated Circuits", American Institute of Physics, Applied Physics Letters, 1998, Vol. 73, No. 1, pp 108-110, July 6, 1998.	X
	104	KUHLMANN et al., "Terabytes in Plastikfolie", Organische Massenspeicher vor der Serienproduktion	
	105	GARNIER, F. et al, "All-Polymer Field-Effect Transistor Realized by Printing Techniques", Science, American Association for the Advancement of Science, US, vol 265, 16 September 1994, pp 1684-1686.	X
	106	ASSADI A, et al., "Field-Effect Mobility of Poly (3-Hexylthiophene) Dept. of Physics and Measurement Technology, Received 3 March 1988; accepted for Publication 17 May 1988	X

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

9

11

Application Number

10/508,737

Filing Date

September 21, 2004

First Named Inventor

Adolf Bernds

Group Art Unit

Not Assigned

Examiner Name

Not Assigned

Attorney Docket Number

411000-121

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	107	BAO, Z. et al., "High-Performance Plastic Transistors Fabricated by Printing Techniques", Chem. Mater Vol. 9, No. 6, 1997, pp 1299-1301.	X
	108	HEBNER, T.R. et al., "Ink-jet printing of doped polymers for organic light emitting devices", American Institute of Physics, Applied Physics Letters, Vol. 72, no. 5, February 2, 1998, pages 519-521.	X
	109	ANGELOPOULOS M et al, "In-Situ Radiation Induced Doping", Mol. Cryst. Liq. Cryst. 1990, vol. 189, pp. 221-225.	X
	110	DAI, L. et al, "Photochemical Generation of Conducting Patterns in Polybutadiene Films", Macromolecules, Vol. 29, No. 1, 1996, pages 282-287, XP 001042019, the whole document	X
	111	ROMAN et al., "POLYMER DIODES WITH HIGH RECTIFICATION", Applied Physics Letters, Vol. 75, No. 21, November 22, 1999	X
	112	PATENT ABSTRACTS OF JAPAN, Vol. 010, No. 137, May 21, 1986 (JP 361001060A)	X
	113	SCHOEBEL, "Frequency Conversion with Organic-On-Inorganic Heterostructured Diodes", Extended Abstracts of the International Conference on Solid State Devices and Materials, September 1, 1997	X
	114	BRAUN D., et al, "Visible light emission from semiconducting polymer diodes", American Institute of Physics, Applied Physics Letters 58, May 6, 1991, pages 1982 - 1984.	X
	115	YU, G. et al., "Dual-function semiconducting polymer devices: Light-emitting and photodetecting diodes", American Institute of Physics, Applied Physics Letter 64, March 21, 1994, pages 1540 - 1542.	X
	116	LUCENT TECHNOLOGIES, "Innovation marks significant milestone in the development of electronic paper", Cambridge, MA and Murray Hill, NJ, November 20, 2000. XP-002209726.	X
	117		

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

10

11

Application Number	10/508,737
Filing Date	September 21, 2004
First Named Inventor	Adolf Berndt
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	411000-121

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	118	GARNIER et al., "Conjugated Polymers and Oligomers as Active Material For Electronic Devices", Synthetic Metals, Vol. 28, 1989	X
	119	GELINCK, G.H. et al., "High-Performance All-Polymer Integrated Circuits", Applied Physics Letters, v. 77, 2000, pp. 1487-1489.	X
	120	ZHENG, Xiang-Yang et al., "Electrochemical Patterning of the Surface of Insulators with Electrically Conductive Polymers", J. Electrochem. Soc., v. 142, 1995, pp L226-L227.	X
	121	LIDZEY, D. G. et al., "Photoprocessed and Micropatterned Conjugated Polymer LEDs", Synthetic Metals, V. 82, 1996, pp. 141-148	X
	122	KOBEL W. et al., "Generation of Micropatterns in Poly (3-Methyl-Thiophene) Films Using Microlithography: A First Step in the Design of an All-Organic Thin-Film Transistor" Synthetic Metals, V. 22, 1988, pp. 265-271.	X
	123	ROST, Henning et al., "All-Polymer Organic Field Effect Transistors", Proc. Mat. Week, CD, 2001, pp. 1-6	X
	124	MANUELLI, Alessandro et al., "Applicability of Coating Techniques for the Production of Organic Field Effect Transistors", IEEE Polytronic 2002 Conference, 2002, pp. 201-204.	X
	125	ULLMAN, A. et al., "High Performance Organic Field-Effect Transistors and Integrated Inverters", Mat. Res. Soc. Symp. Proc., v. 665, 2001, pp. 265-270.	X
	126	FIX, W. et al., "Fast Polymer Integrated Circuits Based on a Polyfluorene Derivative", ESSDERC 2002, 2002, pp. 527-529.	X
	127	KNOBLOCH, A. et al., "Printed Polymer Transistors", Proc. Polytronic, v. 84, 2001, pp. 84-89	X
	128	FICKER, J. et al., "Dynamic and Lifetime Measurements of Polymer OFETS and Integrated Plastic Circuits, " Proc. of SPIE, v. 466, 2001, pp. 95-102	X
	129	CLEMENS, W. et al., "Vom Organischen Transistor Zum Plastik-Chip," Physik Journal, V. 2, 2003, pp. 31-36.	X

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

11

11

**Complete if Known**

Application Number	10/508,737
Filing Date	September 21, 2004
First Named Inventor	Adolf Bemds
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	411000-121

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	125	CRONE, B. ET AL, "Large-scale complementary Integrated circuits based on Organic transistors", Nature, Vol. 403, Feb. 3, 2000, PP. 521 -	X
	126	FIX, W., et al., "Fast polymer integrated circuits", American Institute of Physics, Applied Physics Letters, Vol. 81, No. 89, August 2002, pp. 1735-1737.	X
	127	DODABALAPUR, A. et al., Organic smart pixels", American Institute of Physics, Applied Physics Letters, Vol. 73, No. 2, July 13, 1998, pp. 142 - 144.	X
	128	HALLS, J.J. M., et al., "Efficient photodiodes from interpenetrating polymer networks", Nature, Vol. 376, August 10, 1995, pp. 498 - 500.	X
	129	BROWN, A.R. et al., "Field-effect transistors made from solution-processed organic semiconductors", Elsevier Science, S.A., Synthetic Metals 88 (1997) pp. 37-55	X
	130	BROWN, A.R., "Logic Gates Made from Polymer Transistors and Their Use in Ring Oscillators", Science, Vol. 270, November 10, 1995, pp 972 - 974	X
	131	KLAUK, H. et al., "Pentacene Thin Film Transistors and Inverter Circuits", 1997 International Electron Devices Meeting Technical Digest, pages 539-542, December 1997	X
	132	KLAUK, H. et al., "Fast Organic Thin Film Transistor Circuits", IEEE Electron Device Letters, Vol. 20, no. 6, pages 289-291	X
	133	BAO, Z. et al., "Organic and Polymeric Materials for the Fabrications of Thin Film Field-Effect Transistors", paper presented at the meeting of American Chemical Society, Division of Polymer Chemistry, XX, XX, Bd. 39, Nr. 1, 29 Marz 1998 (1998-03-29), P001032497, ISSN: 0032-3934 das ganze Dokument	X
	134	PATENT ABSTRACTS OF JAPAN, vol 013, no. 444 (E-828), 5 Oktober 1989 (1989-10-05) & JP 01 169942 A (Hitachi Ltd), 5 July 1989	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.